

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/539,241

Source: _____

Date Processed by STIC: _____

PLF
6/27/05

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PCT

RAW SEQUENCE LISTING

DATE: 06/27/2005

PATENT APPLICATION: US/10/539,241

TIME: 10:29:05

Input Set : A:\290.0004.seq.list.45.txt

Output Set: N:\CRF4\06272005\J539241.raw

3 <110> APPLICANT: PURDUE RESEARCH FOUNDATION
 5 <120> TITLE OF INVENTION: pRNA CHIMERA
 7 <130> FILE REFERENCE: 290-0004-0130
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/539,241
 C--> 10 <141> CURRENT FILING DATE: 2005-06-16
 12 <150> PRIOR APPLICATION NUMBER: 10/373,612
 13 <151> PRIOR FILING DATE: 2003-02-24
 15 <150> PRIOR APPLICATION NUMBER: 60/433,697
 16 <151> PRIOR FILING DATE: 2002-12-16
 18 <160> NUMBER OF SEQ ID NOS: 45
 20 <170> SOFTWARE: PatentIn Ver. 3.3
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 120
 24 <212> TYPE: RNA
 25 <213> ORGANISM: Bacteriophage phi-29
 27 <400> SEQUENCE: 1
 28 ucaaugguac gguacuucca uugucaugug uauguugggg auuaaacccu gauugaguuc 60
 29 agcccacaua cuuuguugau ugguugucaa ucauggcaaa agugcacgcu acuuugauaa 120
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 15
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Artificial Sequence
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA template
 40 <400> SEQUENCE: 2
 41 ttcttaaagg aatgg 15
 44 <210> SEQ ID NO: 3
 45 <211> LENGTH: 168
 46 <212> TYPE: RNA
 47 <213> ORGANISM: Artificial Sequence
 49 <220> FEATURE:
 50 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic pRNA chimera
 52 <400> SEQUENCE: 3
 53 guugauuggu ugucaaucau ggcaaaagug cacgcuacuu ugaaaaacaa auucuaaaac 60
 54 ugaugaguucc gugaggacga aagcuguaac acaaaaauca ugguaacggua cuuccauugu 120
 55 cauguguaug uuggggauua aaccugauu gaguucagcc cacauaca 168
 58 <210> SEQ ID NO: 4
 59 <211> LENGTH: 24
 60 <212> TYPE: RNA
 61 <213> ORGANISM: Artificial Sequence
 63 <220> FEATURE:
 64 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic portion of U7
 65 snRNA substrate

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67 <400> SEQUENCE: 4
68 guguuacagc ucuuuuagaa uuug                24
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 46
73 <212> TYPE: RNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic anti-12-LOX
78     ribozyme
80 <400> SEQUENCE: 5
81 acgcgguugu accugaugag uccgugagga cgaaacccgg agaaga                46
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 25
86 <212> TYPE: RNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic RNA
91     substrate
93 <400> SEQUENCE: 6
94 ucuucuccgg gucguacaac cgcggu                25
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 55
99 <212> TYPE: RNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <221> NAME/KEY: modified_base
104 <222> LOCATION: (25)..(32)
105 <223> OTHER INFORMATION: any nucleotide and this region may be 4-8 nucleotides,
106     preferably 4 or 5 nucleotides
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic pRNA
110     chimera
112 <400> SEQUENCE: 7
W--> 113 uugucaugug uauguugggg auuannnnnn nncugauuga guucagccca cauac                55
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 17
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA loop
124 <400> SEQUENCE: 8
125 taatacgact cactata                17
128 <210> SEQ ID NO: 9
129 <211> LENGTH: 94
130 <212> TYPE: RNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic U7 template
136 <400> SEQUENCE: 9

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137 gggaaagcuu auaguguuac agcucuuuuu gaauuugucu agcagguuuu cugacuucgg 60
138 ucggaaaacg ccuaacguug caugccugca gguc 94
141 <210> SEQ ID NO: 10
142 <211> LENGTH: 47
143 <212> TYPE: RNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic RzU7 template
149 <400> SEQUENCE: 10
150 ggcaaaucuu aaaacugaug aguccgugag gacgaaagcu gaaacac 47
153 <210> SEQ ID NO: 11
154 <211> LENGTH: 68
155 <212> TYPE: RNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic permuted SF5
160 prNA chimera
162 <400> SEQUENCE: 11
163 gugagacauc guauuuacua uaauguaugu gugucggguu guuuucggau ugaguuccgc 60
164 cgacagca 68
167 <210> SEQ ID NO: 12
168 <211> LENGTH: 72
169 <212> TYPE: RNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic permuted
174 B103 prNA chimera
176 <400> SEQUENCE: 12
177 gacaaggugc aacacuuccu auaguauggu gcgugauugg gguauauccu gauugaguuc 60
178 agcccacacg cc 72
181 <210> SEQ ID NO: 13
182 <211> LENGTH: 71
183 <212> TYPE: RNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic permuted
188 phi29/PZA prNA chimera
190 <400> SEQUENCE: 13
191 ucaaugguac gguacuucca uugucaugug uauguugggg auuaaaccu gauugaguuc 60
192 agccacaua c 71
195 <210> SEQ ID NO: 14
196 <211> LENGTH: 72
197 <212> TYPE: RNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic permuted
202 M2/NF prNA chimera
204 <400> SEQUENCE: 14
205 gacaaggugc aacacuuccu auaguauggc acaugauugg gguauauccu gauugaguuc 60

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206 agcccacaug uc 72
209 <210> SEQ ID NO: 15
210 <211> LENGTH: 68
211 <212> TYPE: RNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic permuted
216     GAl pRNA chimera
218 <400> SEQUENCE: 15
219 uaaggcauug agguuaaaau auauaggcug ugcaacgggc auccuacugu aaaaaguacc 60
220 guugacag 68
223 <210> SEQ ID NO: 16
224 <211> LENGTH: 75
225 <212> TYPE: RNA
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic permuted
230     aptamer pRNA
232 <400> SEQUENCE: 16
233 ggaaugguac gguacuucca uugucaugug uagggguuggg aagaaacugu ggcacuucgg 60
234 ugccagcaac ccuac 75
237 <210> SEQ ID NO: 17
238 <211> LENGTH: 188
239 <212> TYPE: RNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic ribozyme
244     pRNA-RzA transcript
246 <400> SEQUENCE: 17
247 gcuaguucua gaguugauug guugucaauc auggcaaaag ugcacgcuac uuugcaaaac 60
248 aaauucuuua cugaugaguc cgugaggacg aaacggguca aaagcaaugg uacgguacuu 120
249 ccuugucau guguauguug gggauuuuac ccugauugag uucagcccac auacgguacc 180
250 ucgacguc 188
253 <210> SEQ ID NO: 18
254 <211> LENGTH: 66
255 <212> TYPE: RNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic ribozyme
260     RzA transcript
262 <400> SEQUENCE: 18
263 gcuaguucua gacaaaauuc uuacugauga guccgugagg acgaaacggg ucgguaccuc 60
264 gacguc 66
267 <210> SEQ ID NO: 19
268 <211> LENGTH: 10
269 <212> TYPE: RNA
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 3'

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274      overhang oligonucleotide
276 <400> SEQUENCE: 19
277 aagccgaauu                                     10
280 <210> SEQ ID NO: 20
281 <211> LENGTH: 59
282 <212> TYPE: RNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 3'
287      overhang oligonucleotide
289 <400> SEQUENCE: 20
290 aagccgaauu ccagcacacu ggcggccguu acuaguggau ccgagcucgg uaccaagcu  59
293 <210> SEQ ID NO: 21
294 <211> LENGTH: 54
295 <212> TYPE: RNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 3'
300      overhang oligonucleotide
302 <400> SEQUENCE: 21
303 ccuuuuacau gcgacacaga cgaagcgcu aaacguggga uucugugucg uuuu      54
306 <210> SEQ ID NO: 22
307 <211> LENGTH: 120
308 <212> TYPE: RNA
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 3'
313      overhang oligonucleotide
315 <400> SEQUENCE: 22
316 ucaaugguac gguacuucca uugucaugug uauguugggg auuaaacccu gauugaguuc 60
317 agcccacaua cuuuguugau ugguugucaa ucauggcaaa agugcacgcu acuuugauaa 120
320 <210> SEQ ID NO: 23
321 <211> LENGTH: 40
322 <212> TYPE: RNA
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic hammerhead
327      ribozyme
329 <400> SEQUENCE: 23
330 caaaauuuu acugaugagu ccgugaggac gaaacggguc      40
333 <210> SEQ ID NO: 24
334 <211> LENGTH: 19
335 <212> TYPE: RNA
336 <213> ORGANISM: Artificial Sequence
338 <220> FEATURE:
339 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic HBV polyA
340      target
342 <400> SEQUENCE: 24
343 gacccguaua aagaauuug                                     19

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/539,241

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TIME: 10:29:06

Input Set : A:\290.0004.seq.list.45.txt
Output Set: N:\CRF4\06272005\J539241.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; N Pos. 25,26,27,28,29,30,31,32
Seq#:36; N Pos. 29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48
Seq#:36; N Pos. 49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68
Seq#:36; N Pos. 69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88
Seq#:36; N Pos. 89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105
Seq#:36; N Pos. 106,107,108,109,110,111,112,113,114,115,116,117,118,119,120
Seq#:36; N Pos. 121,122,123,124,125,126,127,128,129,130,131,132,133,134
Seq#:45; N Pos. 7,8,9,10,11,12,13,14

VERIFICATION SUMMARY

DATE: 06/27/2005

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Input Set : A:\290.0004.seq.list.45.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0

L:512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0

M:341 Repeated in SeqNo=36

L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0